Philips MRI Protocol Dump

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Software Stream

3.2.1.1

ADNI GO - ADNI 2 Human7 (9) 38:30.1

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ADNI GO - ADNI 2 Human7 (9) 38:30.1 | 3 Plane Localizer 00:31.5

INFO PAGE	
Total scan duration	00:31.5
Rel. signal level (%)	100
Act. TR/TE (ms)	11 / 4.6
ACQ matrix M x P	256 x 128
ACQ voxel MPS (mm)	0.98 / 1.95 / 10.0
REC voxel MPS (mm)	0.98 / 0.98 / 10.0
Scan percentage (%)	50
TFE shots	2
TFE dur. shot / acq (ms)	1166.1 / 712.4
TFE shot interval (ms)	1166.05
Min. TI delay	402.4302
Act. WFS (pix) / BW (Hz)	3.496 / 124.3
Min. WFS (pix) / Max. BW (Hz)	1.045 / 415.8
Min. TR/TE (ms)	11 / 2.4
SAR / head	< 9 %
Whole body / level	0.0 W/kg / normal
B1 rms	0.69 uT
PNS / level	16 % / normal
Sound Pressure Level (dB)	1.292613
MOTION	
Cardiac synchronization	no
Heart rate > 250 bpm	no
Respiratory compensation	no
Navigator respiratory comp	no
Flow compensation	no
fMRI echo stabilisation	no
Motion smoothing	no
NSA	1
DYN/ANG	
Angio / Contrast enh.	no
Quantitative flow	no
Manual start	no
Dynamic study	no
Arterial Spin labeling	no
POST/PROC	
Preparation phases	auto
Interactive F0	no
B0 field map	no
B1 field map	no
MIP/MPR	no
Images	M, no, no, no
Autoview image	M
Calculated images	no, no, no, no
Reference tissue	Grey matter
Preset window contrast	soft
Reconstruction mode	real time
Save raw data	no
Hardcopy protocol	no
Ringing filtering	rectangular
Geometry correction	default

GEOMETRY	
Nucleus	H1
Coil selection	SENSE-Head-8
element selection	SENSE
connection	d
Dual coil	no
Multi coil	no
Homogeneity correction	none
CLEAR	no
FOV FH (mm)	250
AP (mm)	250
stack RL (mm)	50
Voxel size FH (mm)	0.9765625
AP (mm)	1.953125
Slice thickness (mm)	10
Recon voxel size (mm)	0.9765625
Fold-over suppression	no
Reconstruction matrix	256
SENSE	no
k-t BLAST	no
Stacks	3
current	A
type	parallel
slices	3
slice gap	user defined
gap (mm)	10
slice orientation	sagittal
fold-over direction	AP
fat shift direction	F
Slice scan order	default
Stack scan order	ascend
Move table per stack	no
Stack alignment	no
Stack display order	no
PlanAlign	no
REST slabs	0
Interactive positioning	no
Allow table movement	no
OFFC/ANG	
Stacks	3
current	A
Stack Offc. AP (P=+mm)	-20
RL (L=+mm)	0
FH (H=+mm)	20
Ang. AP (deg)	0
RL (deg)	0
FH (deg)	0

CONTRAST	
Scan type	Imaging
Scan mode	M2D
technique	FFE
Contrast enhancement	T1
Acquisition mode	cartesian
Fast Imaging mode	TFE
shot mode	multishot
TFE factor	64
startup echoes	default
shot interval	shortest
profile order	linear
Echoes	1
partial echo	yes
shifted echo	no
TE	in-phase
(ms)	4.603086
Flip angle (deg)	15
TR	shortest
Halfscan	no
Water-fat shift	user defined
(pixels)	3.5
Shim	default
mDIXON	no
Fat suppression	no
Water suppression	no
TFE prepulse	invert
slice selection	no
shared	no
delay	user defined
(ms)	800
PSIR	no
MTC	no
T2prep	no
Research prepulse	no
Diffusion mode	no
SAR mode	high
B1 mode	default
SAR Patient data	auto
PNS mode	low
Gradient mode	regular
SofTone mode	no

ADNI GO - ADNI 2 Human7 (9) 38:30.1 | Ref_HC_8 00:44.4

INFO PAGE	
Total scan duration	00:44.4
Rel. signal level (%)	100
Act. TR/TE (ms)	4.0 / 0.75
ACQ matrix M x P	96 x 75
ACQ voxel MPS (mm)	5.52 / 7.07 / 6.00
REC voxel MPS (mm)	5.52 / 5.52 / 3.00
Scan percentage (%)	78.125
Packages	1
Act. WFS (pix) / BW (Hz)	0.210 / 2071.3
Min. WFS (pix) / Max. BW (Hz)	0.209 / 2083.3
SAR / local torso	< 2 %
Whole body / level	0.0 W/kg / normal
B1 rms	0.25 uT
PNS / level	28 % / normal
Sound Pressure Level (dB)	17.52302

MOTION	
Coil selection	SENSE-Head-8
element selection	SENSE
connection	d
Dual coil	no
Fold-over suppression	no
Stack Offc. AP (P=+mm)	-8.602485
RL (L=+mm)	0
FH (H=+mm)	14.21405
Respiratory compensation	no
NSA	3
Manual start	no

DYN/ANG	
Coil selection	SENSE-Head-8
element selection	SENSE
connection	d
Dual coil	no
Fold-over suppression	no
Stack Offc. AP (P=+mm)	-8.602485
RL (L=+mm)	0
FH (H=+mm)	14.21405
Respiratory compensation	no
NSA	3
Manual start	no

POST/PROC	
Coil selection	SENSE-Head-8
element selection	SENSE
connection	d
Dual coil	no
Fold-over suppression	no
Stack Offc. AP (P=+mm)	-8.602485
RL (L=+mm)	0
FH (H=+mm)	14.21405
Respiratory compensation	no
NSA	3
Manual start	no

GEOMETRY	
Coil selection	SENSE-Head-8
element selection	SENSE
connection	d
Dual coil	no
Fold-over suppression	no
Stack Offc. AP (P=+mm)	-8.602485
RL (L=+mm)	0
FH (H=+mm)	14.21405
Respiratory compensation	no
NSA	3
Manual start	no

OFFC/ANG	
Coil selection	SENSE-Head-8
element selection	SENSE
connection	d
Dual coil	no
Fold-over suppression	no
Stack Offc. AP (P=+mm)	-8.602485
RL (L=+mm)	0
FH (H=+mm)	14.21405
Respiratory compensation	no
NSA	3
Manual start	no

CONTRAST	
Coil selection	SENSE-Head-8
element selection	SENSE
connection	d
Dual coil	no
Fold-over suppression	no
Stack Offc. AP (P=+mm)	-8.602485
RL (L=+mm)	0
FH (H=+mm)	14.21405
Respiratory compensation	no
NSA	3
Manual start	no

ADNI GO - ADNI 2 Human7 (9) 38:30.1 | MPRAGE 09:06.7

INFO PAGE	
Total scan duration	09:06.7
Rel. signal level (%)	100
Act. TR/TE (ms)	6.8 / 3.1
ACQ matrix M x P	256 x 240
ACQ voxel MPS (mm)	1.00 / 1.00 / 1.20
REC voxel MPS (mm)	1.00 / 1.00 / 1.20
Scan percentage (%)	100
TFE shots	218
TFE dur. shot / acq (ms)	1725.0 / 1633.3
Min. TI delay	849.9592
Act. WFS (pix) / BW (Hz)	1.802 / 241.1
Min. WFS (pix) / Max. BW (Hz)	0.494 / 879.9
SAR / head	< 10 %
Whole body / level	0.0 W/kg / normal
B1 rms	0.73 uT
PNS / level	59 % / normal
Sound Pressure Level (dB)	13.59096

MOTION	
Cardiac synchronization	no
Heart rate > 250 bpm	no
Respiratory compensation	no
Navigator respiratory comp	no
Flow compensation	no
fMRI echo stabilisation	no
Motion smoothing	no
NSA	1

DYN/ANG	
Angio / Contrast enh.	no
Quantitative flow	no
CENTRA	no
Manual start	no
Dynamic study	no
Arterial Spin labeling	no

POST/PROC	
Preparation phases	auto
Interactive F0	no
B0 field map	no
B1 field map	no
MIP/MPR	no
Images	M, no, no, no
Autoview image	M
Calculated images	no, no, no, no
Reference tissue	Grey matter
Preset window contrast	soft
Reconstruction mode	real time
Save raw data	no
Hardcopy protocol	no
Ringing filtering	rectangular
Geometry correction	default
Elliptical k-space shutter	default

GEOMETRY	
Nucleus	H1
Coil selection	SENSE-Head-8
element selection	SENSE
connection	d
Dual coil	no
CLEAR	yes
body tuned	no
FOV FH (mm)	256
AP (mm)	240
RL (mm)	204
Voxel size FH (mm)	1
AP (mm)	1
RL (mm)	1.2
Recon voxel size (mm)	1
Fold-over suppression	no
Slice oversampling	default
RF select. FOS	no
Reconstruction matrix	256
SENSE	yes
P reduction (AP)	1
P os factor	1
S reduction (RL)	1
k-t BLAST	no
Overcontiguous slices	no
Stacks	1
slices	170
slice orientation	sagittal
fold-over direction	AP
fat shift direction	F
Chunks	1
PlanAlign	no
REST slabs	0
Interactive positioning	no
Allow table movement	no

OFFC/ANG	
Stacks	1
Stack Offc. AP (P=+mm)	-7.38014
RL (L=+mm)	1.671578
FH (H=+mm)	15.46823
Ang. AP (deg)	-1.783733
RL (deg)	-0.07435598
FH (deg)	-2.387414

CONTRAST	
Scan type	Imaging
Scan mode	3D
technique	FFE
Contrast enhancement	T1
Acquisition mode	cartesian
Fast Imaging mode	TFE
3D non-selective	no
shot mode	multishot
TFE factor	240
3D free factor	no
startup echoes	default
shot interval	user defined
(ms)	2500
profile order	linear
turbo direction	Y
Echoes	1
partial echo	no
shifted echo	no
TE	shortest
Flip angle (deg)	9
TR	shortest
Halfscan	no
Water-fat shift	user defined
(pixels)	1.8
Shim	auto
mDIXON	no
Fat suppression	no
Water suppression	no
TFE prepulse	invert
slice selection	no
delay	user defined
(ms)	900
PSIR	no
MTC	no
T2prep	no
Research prepulse	no
Diffusion mode	no
SAR mode	high
B1 mode	default
SAR Patient data	auto
PNS mode	low
Gradient mode	maximum
SofTone mode	no

ADNI GO - ADNI 2 Human7 (9) 38:30.1 | MPRAGE SENSE2 05:34.2

INFO PAGE	
Total scan duration	05:34.2
Rel. signal level (%)	100
Act. TR/TE (ms)	6.8 / 3.1
ACQ matrix M x P	244 x 227
ACQ voxel MPS (mm)	1.11 / 1.11 / 1.20
REC voxel MPS (mm)	1.05 / 1.05 / 1.20
Scan percentage (%)	99.57265
TFE factor	233
TFE dur. shot / acq (ms)	1699.2 / 1579.8
Min. TI delay	824.254
Act. WFS (pix) / BW (Hz)	1.811 / 239.9
Min. WFS (pix) / Max. BW (Hz)	0.469 / 927.2
SAR / head	< 10 %
Whole body / level	0.0 W/kg / normal
B1 rms	0.75 uT
PNS / level	60 % / normal
Sound Pressure Level (dB)	14.66526
MOTION	
Cardiac synchronization	no
Heart rate > 250 bpm	no
Respiratory compensation	no
Navigator respiratory comp	no
Flow compensation	no
fMRI echo stabilisation	no
Motion smoothing	no
NSA	1
DYN/ANG	
Angio / Contrast enh.	no
Quantitative flow	no
CENTRA	no
Manual start	no
Dynamic study	no
Arterial Spin labeling	no
POST/PROC	
Preparation phases	auto
Interactive F0	no
B0 field map	no
B1 field map	no
MIP/MPR	no
Images	M, no, no, no
Autoview image	M
Calculated images	no, no, no, no
Reference tissue	Grey matter
Preset window contrast	soft
Reconstruction mode	real time
Save raw data	no
Hardcopy protocol	no
Ringing filtering	rectangular
Geometry correction	default
Elliptical k-space shutter	default

GEOMETRY	
Nucleus	H1
Coil selection	SENSE-Head-8
element selection	SENSE
connection	d
Dual coil	no
CLEAR	yes
body tuned	no
FOV FH (mm)	270
AP (mm)	252.2951
RL (mm)	204
Voxel size FH (mm)	1.11
AP (mm)	1.11
RL (mm)	1.2
Recon voxel size (mm)	1.054688
Fold-over suppression	no
Slice oversampling	default
RF select. FOS	no
Reconstruction matrix	256
SENSE	yes
P reduction (AP)	1
P os factor	1.5
S reduction (RL)	1.8
k-t BLAST	no
Overcontiguous slices	no
Stacks	1
slices	170
slice orientation	sagittal
fold-over direction	AP
fat shift direction	F
Chunks	1
PlanAlign	no
REST slabs	0
Interactive positioning	no
Allow table movement	no
OFFC/ANG	
Stacks	1
Stack Offc. AP (P=+mm)	-7.38014
RL (L=+mm)	1.671578
FH (H=+mm)	15.46823
Ang. AP (deg)	-1.783733
RL (deg)	-0.07435598
FH (deg)	-2.387414

CONTRAST	
Scan type	Imaging
Scan mode	3D
technique	FFE
Contrast enhancement	T1
Acquisition mode	cartesian
Fast Imaging mode	TFE
3D non-selective	no
shot mode	single-shot
TFE startup echoes	default
shot interval	user defined
(ms)	2500
profile order	linear
turbo direction	Y
Echoes	1
partial echo	no
shifted echo	no
TE	shortest
Flip angle (deg)	9
TR	shortest
Halfscan	no
Water-fat shift	user defined
(pixels)	1.8
Shim	auto
mDIXON	no
Fat suppression	no
Water suppression	no
TFE prepulse	invert
slice selection	no
delay	user defined
(ms)	900
PSIR	no
MTC	no
T2prep	no
Research prepulse	no
Diffusion mode	no
SAR mode	high
B1 mode	default
SAR Patient data	auto
PNS mode	low
Gradient mode	maximum
SofTone mode	no

ADNI GO - ADNI 2 Human7 (9) 38:30.1 | Extended Resting State fMRI 10:03.0

INFO PAGE	
Total scan duration	10:03.0
Rel. signal level (%)	100
Act. TR/TE (ms)	3000 / 30
Dyn. scan time	00:03.0
Time to k0	00:04.5
ACQ matrix M x P	64 x 59
ACQ voxel MPS (mm)	3.31 / 3.37 / 3.31
REC voxel MPS (mm)	3.31 / 3.31 / 3.31
Scan percentage (%)	98.33334
Packages	1
Min. slice gap (mm)	0
EPI factor	59
Act. WFS (pix) / BW (Hz)	18.050 / 24.1
BW in EPI freq. dir. (Hz)	1886.2
Min. WFS (pix) / Max. BW (Hz)	10.223 / 42.5
Min. TR/TE (ms)	2971 / 13
SAR / head	< 29 %
Whole body / level	< 0.1 W/kg / normal
B1 rms	1.25 uT
PNS / level	61 % / normal
Sound Pressure Level (dB)	17.38536

MOTION	
Cardiac synchronization	no
Heart rate > 250 bpm	no
Respiratory compensation	no
Navigator respiratory comp	no
Flow compensation	no
Temporal slice spacing	equidistant
fMRI echo stabilisation	no
NSA	1

DYN/ANG	
Angio / Contrast enh.	no
Quantitative flow	no
Manual start	yes
Dynamic study	individual
dyn scans	200
recon multiplier	1
dyn scan times	shortest
FOV time mode	default
dummy scans	0
immediate subtraction	no
fast next scan	no
synch. ext. device	no
dyn stabilization	no
prospect. motion corr.	yes
Keyhole	no
Arterial Spin labeling	no

POST/PROC	
Preparation phases	full
Interactive F0	no
B0 field map	no
B1 field map	no
MIP/MPR	no
Images	M, no, no, no
Autoview image	M

GEOMETRY	
Nucleus	H1
Coil selection	SENSE-Head-8
element selection	SENSE
connection	d
Dual coil	no
Homogeneity correction	none
CLEAR	no
FOV RL (mm)	212
AP (mm)	198.75
FH (mm)	159
Voxel size RL (mm)	3.3125
AP (mm)	3.3125
Slice thickness (mm)	3.3125
Recon voxel size (mm)	3.3125
Fold-over suppression	no
Reconstruction matrix	64
SENSE	no
k-t BLAST	no
Stacks	1
type	parallel
slices	48
slice gap	user defined
gap (mm)	0
slice orientation	transverse
fold-over direction	AP
fat shift direction	P
Minimum number of packages	1
Slice scan order	default
PlanAlign	no
REST slabs	0
Interactive positioning	no
Allow table movement	no

OFFC/ANG	
Stacks	1
Stack Offc. AP (P=+mm)	-9.332945
RL (L=+mm)	7.304602
FH (H=+mm)	15.67497
Ang. AP (deg)	0
RL (deg)	0
FH (deg)	0

CONTRAST	
Scan type	Imaging
Scan mode	MS
technique	FFE
Contrast enhancement	no
Acquisition mode	cartesian
Fast Imaging mode	EPI
shot mode	single-shot
Echoes	1
partial echo	no
shifted echo	no
TE	user defined
(ms)	30
Flip angle (deg)	80
TR	user defined
(ms)	3000
Halfscan	no
Water-fat shift	user defined
(pixels)	18.049
Shim	auto
mDIXON	no
Fat suppression	SPIR
strength	strong
frequency offset	default
Water suppression	no
MTC	no
Research prepulse	no
Diffusion mode	no
SAR mode	high
B1 mode	default
SAR Patient data	auto
PNS mode	moderate
Gradient mode	maximum
SofTone mode	no

Calculated images	no, no, no, no
Reference tissue	Grey matter
EPI 2D phase correction	no
Preset window contrast	soft
Reconstruction mode	real time
reuse memory	no
Save raw data	no
Hardcopy protocol	no
Ringing filtering	default
Geometry correction	2D compensation

ADNI GO - ADNI 2 Human7 (9) 38:30.1 | Axial T2-TSE with Fat Sat 02:42.0

INFO PAGE	
Total scan duration	02:42.0
Rel. signal level (%)	100
Act. TR (ms)	3000
Act. TE (ms)	80
ACQ matrix M x P	256 x 255
ACQ voxel MPS (mm)	0.94 / 0.94 / 4.00
REC voxel MPS (mm)	0.94 / 0.94 / 4.00
Scan percentage (%)	99.60938
Packages	3
Min. slice gap (mm)	4
Optimal slices	30
Max. slices	45
WFS (pix) / BW (Hz)	2.847 / 152.6
TSE es / shot (ms)	10.0 / 150
TEeff / TEequiv (ms)	80 / 72
Min. TR (ms)	2926
SAR / head	< 98 %
Whole body / level	< 0.2 W/kg / normal
B1 rms	2.31 uT
PNS / level	53 % / normal
Sound Pressure Level (dB)	11.04712
MOTION	
Cardiac synchronization	no
Heart rate > 250 bpm	no
Respiratory compensation	no
Navigator respiratory comp	no
Flow compensation	no
Temporal slice spacing	default
Motion smoothing	no
NSA	1
DYN/ANG	
Manual start	no
Dynamic study	no
Arterial Spin labeling	no
POST/PROC	
Preparation phases	auto
Interactive F0	no
B0 field map	no
B1 field map	no
MIP/MPR	no
Images	M, no, no, no
Autoview image	M
Calculated images	no, no, no, no
Reference tissue	Grey matter
Preset window contrast	soft
Reconstruction mode	real time
Save raw data	no
Hardcopy protocol	no
Ringing filtering	rectangular
Geometry correction	default

GEOMETRY	
Nucleus	H1
Coil selection	SENSE-Head-8
element selection	SENSE
connection	d
Dual coil	no
Homogeneity correction	none
CLEAR	yes
body tuned	no
FOV AP (mm)	240
RL (mm)	240
FH (mm)	176
Voxel size AP (mm)	0.9375
RL (mm)	0.9375
Slice thickness (mm)	4
Recon voxel size (mm)	0.9375
Small FOV imaging	no
Fold-over suppression	no
Reconstruction matrix	256
SENSE	no
k-t BLAST	no
Stacks	1
type	parallel
slices	44
slice gap	user defined
gap (mm)	0
slice orientation	transverse
fold-over direction	RL
fat shift direction	P
Minimum number of packages	1
Slice scan order	default
PlanAlign	no
REST slabs	1
type	parallel
thickness (mm)	60
position	feet
gap	default
power	1
Interactive positioning	no
Allow table movement	no
OFFC/ANG	
Stacks	1
Stack Offc. AP (P=+mm)	0
RL (L=+mm)	0
FH (H=+mm)	0
Ang. AP (deg)	0
RL (deg)	0
FH (deg)	0

CONTRAST	
Scan type	Imaging
Scan mode	MS
technique	SE
Modified SE	no
Acquisition mode	cartesian
Fast Imaging mode	TSE
shot mode	multishot
TSE factor	15
startup echoes	0
profile order	linear
DRIVE	no
ultrashort	no
strong FID crushing	no
Echoes	1
partial echo	no
TE	user defined
(ms)	80
Flip angle (deg)	90
Refocusing control	yes
angle (deg)	120
echo enhancement	no
bright fat reduction	no
TR	user defined
(ms)	3000
Halfscan	no
Water-fat shift	maximum
Shim	default
mDIXON	no
Fat suppression	SPIR
strength	strong
frequency offset	default
Water suppression	no
Grad. rev. offres. supp.	no
BB pulse	no
MTC	no
T2prep	no
Research prepulse	no
Zoom imaging	no
Diffusion mode	no
SAR mode	high
B1 mode	default
SAR Patient data	auto
PNS mode	low
Gradient mode	default
SofTone mode	no

ADNI GO - ADNI 2 Human7 (9) 38:30.1 | Axial T2-FLAIR 04:03.0

INFO PAGE	
Total scan duration	04:03.0
Rel. signal level (%)	100
Act. TR/TI (ms)	9000 / 2500
Act. TE (ms)	90
ACQ matrix M x P	256 x 237
ACQ voxel MPS (mm)	0.86 / 0.93 / 5.00
REC voxel MPS (mm)	0.86 / 0.86 / 5.00
Scan percentage (%)	92.68293
Packages	3
Min. slice gap (mm)	5
Optimal slices	24
Max. slices	36
WFS (pix) / BW (Hz)	1.958 / 221.9
TSE es / shot (ms)	9.0 / 171
TEeff / TEequiv (ms)	90 / 88
Min. TR/TI (ms)	7332 / 50
SAR / head	< 50 %
Whole body / level	< 0.1 W/kg / normal
B1 rms	1.66 uT
PNS / level	40 % / normal
Sound Pressure Level (dB)	9.924327

MOTION	
Cardiac synchronization	no
Heart rate > 250 bpm	no
Respiratory compensation	no
Navigator respiratory comp	no
Flow compensation	no
Motion smoothing	no
NSA	1

DYN/ANG	
Manual start	no
Dynamic study	no
Arterial Spin labeling	no

POST/PROC	
Preparation phases	auto
Interactive F0	no
B0 field map	no
B1 field map	no
MIP/MPR	no
Images	M, no, no, no
Autoview image	M
Reference tissue	Grey matter
Preset window contrast	soft
Reconstruction mode	real time
Save raw data	no
Hardcopy protocol	no
Ringing filtering	rectangular
Geometry correction	2D compensation

GEOMETRY	
Nucleus	H1
Coil selection	SENSE-Head-8
element selection	SENSE
connection	d
Dual coil	no
CLEAR	yes
body tuned	no
FOV AP (mm)	220
RL (mm)	220
FH (mm)	175
Voxel size AP (mm)	0.86
RL (mm)	0.86
Slice thickness (mm)	5
Recon voxel size (mm)	0.859375
Fold-over suppression	no
Reconstruction matrix	256
SENSE	yes
P reduction (RL)	1.6
P os factor	1
k-t BLAST	no
Stacks	1
type	parallel
slices	35
slice gap	user defined
gap (mm)	0
slice orientation	transverse
fold-over direction	RL
fat shift direction	P
Minimum number of packages	3
Slice scan order	default
PlanAlign	no
REST slabs	0
Interactive positioning	no
Allow table movement	no

OFFC/ANG	
Stacks	1
Stack Offc. AP (P=+mm)	-9.888501
RL (L=+mm)	1.671578
FH (H=+mm)	0.83612
Ang. AP (deg)	-1.783733
RL (deg)	-0.07435598
FH (deg)	-2.387414

CONTRAST	
Scan type	Imaging
Scan mode	MS
technique	IR
Acquisition mode	cartesian
Fast Imaging mode	TSE
shot mode	multishot
TSE factor	19
startup echoes	0
profile order	linear
DRIVE	no
ultrashort	no
strong FID crushing	no
Echoes	1
partial echo	no
TE	user defined
(ms)	90
Refocusing control	yes
angle (deg)	150
echo enhancement	no
bright fat reduction	no
TR	user defined
(ms)	9000
Halfscan	no
Water-fat shift	user defined
(pixels)	1.96
IR delay (ms)	2500
acquire during delay	yes
dual	no
power	1
Shim	auto
mDIXON	no
Fat suppression	no
Water suppression	no
Grad. rev. offres. supp.	no
MTC	no
T2prep	no
Research prepulse	no
Zoom imaging	no
Diffusion mode	no
SAR mode	high
B1 mode	default
SAR Patient data	auto
PNS mode	low
Gradient mode	default
SofTone mode	no

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INFO PAGE	
Total scan duration	04:22.6
Rel. signal level (%)	100
Act. TR/TE (ms)	650 / 20
ACQ matrix M x P	248 x 200
ACQ voxel MPS (mm)	0.81 / 1.00 / 4.00
REC voxel MPS (mm)	0.78 / 0.78 / 4.00
Scan percentage (%)	80.64516
Packages	2
Min. slice gap (mm)	0
Optimal slices	22
Act. WFS (pix) / BW (Hz)	2.155 / 201.6
Min. WFS (pix) / Max. BW (Hz)	1.054 / 412.0
Min. TR/TE (ms)	556 / 8.6
SAR / head	< 1 %
Whole body / level	0.0 W/kg / normal
B1 rms	0.28 uT
PNS / level	26 % / normal
Sound Pressure Level (dB)	3.045319

MOTION	
Cardiac synchronization	no
Heart rate > 250 bpm	no
Respiratory compensation	no
Navigator respiratory comp	no
Flow compensation	yes
Temporal slice spacing	default
fMRI echo stabilisation	no
NSA	1

DYN/ANG	
Angio / Contrast enh.	inflow
slice overlap	no
Quantitative flow	no
Manual start	no
Dynamic study	no
Arterial Spin labeling	no

POST/PROC	
Preparation phases	auto
Interactive F0	no
B0 field map	no
B1 field map	no
MIP/MPR	no
Images	M, no, no, no
Autoview image	M
Calculated images	no, no, no, no
Reference tissue	Grey matter
Preset window contrast	soft
Reconstruction mode	real time
Save raw data	no
Hardcopy protocol	no
Ringing filtering	default
Geometry correction	2D compensation

GEOMETRY	
Nucleus	H1
Coil selection	SENSE-Head-8
element selection	SENSE
connection	d
Dual coil	no
CLEAR	yes
body tuned	no
FOV AP (mm)	200
RL (mm)	200
FH (mm)	176
Voxel size AP (mm)	0.8
RL (mm)	1
Slice thickness (mm)	4
Recon voxel size (mm)	0.8
Fold-over suppression	no
Reconstruction matrix	256
SENSE	yes
P reduction (RL)	1
P os factor	1
k-t BLAST	no
Stacks	1
type	parallel
slices	44
slice gap	user defined
gap (mm)	0
slice orientation	transverse
fold-over direction	RL
fat shift direction	P
Minimum number of packages	2
Slice scan order	default
PlanAlign	no
REST slabs	0
Interactive positioning	no
Allow table movement	no

OFFC/ANG	
Stacks	1
Stack Offc. AP (P=+mm)	-9.888501
RL (L=+mm)	1.671578
FH (H=+mm)	0.83612
Ang. AP (deg)	-1.783733
RL (deg)	-0.07435598
FH (deg)	-2.387414

CONTRAST	
Scan type	Imaging
Scan mode	MS
technique	FFE
Contrast enhancement	no
Acquisition mode	cartesian
Fast Imaging mode	none
Echoes	1
partial echo	no
shifted echo	no
TE	user defined
(ms)	20
Flip angle (deg)	20
TR	user defined
(ms)	650
Halfscan	no
Water-fat shift	user defined
(pixels)	2.15
Shim	auto
mDIXON	no
Fat suppression	no
Water suppression	no
MTC	no
Research prepulse	no
Diffusion mode	no
SAR mode	low
B1 mode	default
SAR Patient data	auto
PNS mode	low
Gradient mode	default
SofTone mode	no

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INFO PAGE	
Total scan duration	01:22.7
Rel. signal level (%)	100
Act. TR/TE1/TE2 (ms)	20 / 2.3 / 4.6
ACQ matrix M x P	96 x 80
ACQ voxel MPS (mm)	2.71 / 2.71 / 3.00
REC voxel MPS (mm)	1.02 / 1.02 / 3.00
Scan percentage (%)	100
Act. WFS (pix) / BW (Hz)	0.433 / 1004.3
Min. WFS (pix) / Max. BW (Hz)	0.133 / 3268.9
Min. TR/TE1/TE2 (ms)	6.1 / 1.65 / 3.3
SAR / head	< 4 %
Whole body / level	0.0 W/kg / normal
B1 rms	0.48 uT
PNS / level	60 % / normal
Sound Pressure Level (dB)	14.61059
MOTION	
Cardiac synchronization	no
Heart rate > 250 bpm	no
Respiratory compensation	no
Navigator respiratory comp	no
Flow compensation	yes
fMRI echo stabilisation	no
NSA	1
DYN/ANG	
Angio / Contrast enh.	no
Quantitative flow	no
Manual start	no
Dynamic study	no
Arterial Spin labeling	no
POST/PROC	
Preparation phases	auto
Interactive F0	no
B0 field map	no
B1 field map	no
MIP/MPR	no
Images	R, I, no, no
Autoview image	M
Calculated images	no, no, no, no
Reference tissue	Grey matter
Preset window contrast	soft
Reconstruction mode	real time
Save raw data	no
Hardcopy protocol	no
Ringing filtering	rectangular
Geometry correction	default
Elliptical k-space shutter	default

GEOMETRY	
Nucleus	H1
Coil selection	SENSE-Head-8
element selection	Quadrature
connection	d
Dual coil	no
Homogeneity correction	none
CLEAR	no
FOV RL (mm)	260
AP (mm)	216.6667
FH (mm)	156
Voxel size RL (mm)	2.7
AP (mm)	2.7
FH (mm)	3
Recon voxel size (mm)	1.02
Fold-over suppression	no
Slice oversampling	default
RF select. FOS	no
Reconstruction matrix	256
SENSE	no
k-t BLAST	no
Overcontiguous slices	no
Stacks	1
slices	52
slice orientation	transverse
fold-over direction	AP
fat shift direction	L
Chunks	1
PlanAlign	no
REST slabs	0
Interactive positioning	no
Allow table movement	no
OFFC/ANG	
Stacks	1
Stack Offc. AP (P=+mm)	-9.332945
RL (L=+mm)	7.304602
FH (H=+mm)	15.67497
Ang. AP (deg)	0
RL (deg)	0
FH (deg)	0

CONTRAST	
Scan type	Imaging
Scan mode	3D
technique	FFE
loop order	zy_order
Contrast enhancement	T1
Acquisition mode	cartesian
Fast Imaging mode	none
3D non-selective	no
Echoes	2
partial echo	no
shifted echo	no
TE first	user defined
(ms)	2.3
second	user defined
(ms)	4.6
flyback	yes
Flip angle (deg)	10
TR	user defined
(ms)	20
Halfscan	no
Water-fat shift	user defined
(pixels)	0.43
Shim	auto
mDIXON	no
Fat suppression	no
Water suppression	no
MTC	no
Research prepulse	no
Diffusion mode	no
SAR mode	high
B1 mode	default
SAR Patient data	auto
PNS mode	low
Gradient mode	maximum
SofTone mode	no